RCA

USER'S GUIDE

LYRA

www.LyraZone.com

RD2201/2202/2204

Important Safety Information

Be sure to read all the safety information before you begin to use this product.

> **IMPORTANT NOTE:** To reduce the risk of fire or shock hazard, do not expose this player to rain or moisture.

CAUTION		This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.
RISK OF ELECTRIC SHOCK DO NOT OPEN		
ATTENTION		This symbol indicates important instructions accompanying the product.
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR		

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

FEDERAL COMMUNICATIONS COMMISSION INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off or on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and the receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced Radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

SERVICE

This product should be serviced only by those specially trained in appropriate servicing techniques. For instructions on how to obtain service, refer to the warranty in this guide.

Attach your sales receipt for future reference, or write down the date you purchased or received this product as a gift. This information will be valuable if service should be required during the warranty period.

Model No: _____

Serial No: _____

Purchase Date: _____

Purchased From: _____

Introduction

Your Lyra personal digital player is designed to give you hours of listening pleasure. To get the most out of your new purchase, we suggest that you take a few minutes right now to read through this instruction manual.

If you have any questions or problems, consult the Troubleshooting Guide or log onto www.lyrazone.com for help and recent updates.

Table of Contents

Important Information

The Lyra works with your computer to let you play your favorite music from files recorded on removable CompactFlash* cards. The player plays files encoded with the popular MP3 and RealNetworks** G2 audio formats and may allow for future upgrades of some alternative audio compression formats.

Because the player has no moving parts, the audio can be played back virtually anywhere without skipping.

You can download MP3 and G2 encoded music files from several internet sites to your computer hard drive or record your favorite CD using the software supplied.

Some of the internet sites you may want to explore are:

- www.real.com
- www.mpeg.org
- www.mp3.com

Computer System Requirements

Minimum	Optimum
• Pentium 166 MHz or faster	• Pentium II 300MHz
• 32MB RAM	• 64MB RAM
• Windows 95/98/NT	• Windows 95/98/NT
• 45 MB free hard disk space plus 1 MB for every minute of CD quality music you store on your hard drive.	• 45 MB free hard disk space plus 1 MB for every minute of CD quality music you store on your hard drive.
• CD-ROM Drive	• CD-ROM Drive
• 256 Color, Mouse, PS/2 Keyboard	• 256 Color, Mouse, PS/2 Keyboard
• Parallel Port	• Parallel Port
• Full Duplex Sound Card	• Full Duplex Sound Card

Warning

Use of this product is for your personal use only. Copying CDs or downloading music files for sale or other business purposes is a violation of copyright law. It is also a violation of copyright law to download files without permission of the copyright owner.

Caution While Driving

Use of headphones while operating an automobile or moving vehicle is not recommended and is unlawful in some states and areas. Be careful and attentive on the road. Stop operation of the unit if you find it disruptive or distracting while driving.

Caution

Exposure to direct sunlight or extreme heat (such as inside a parked car) may cause damage or malfunction.
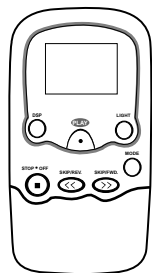
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*CompactFlash is a trademark of SanDisk Corporation

**G2, RealJukebox, and RealNetworks are trademarks of RealNetworks, Inc.

Getting Started

1. Unpack the player and accessories.

When you unpack your new player, be sure you have removed all the accessories and information papers. The items shown below are packed with your player.

Multi-Media Player
with Removable Belt Clip
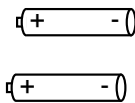
Models RD2201 and
RD2204 Only:
"AA" Alkaline
Batteries
.

CompactFlash
Removable Memory Card

RealJukebox Software

Models RD2202 and
RD2204 Only:
Car Conversion Kit

CompactFlash
External Drive
with Attached Cables

Headphones

3

Getting Started

2. Connect the CompactFlash* external drive.

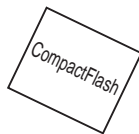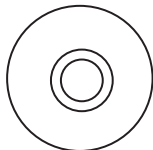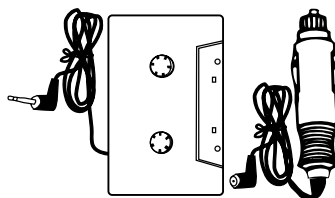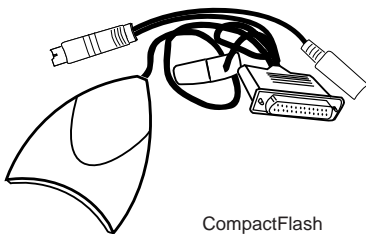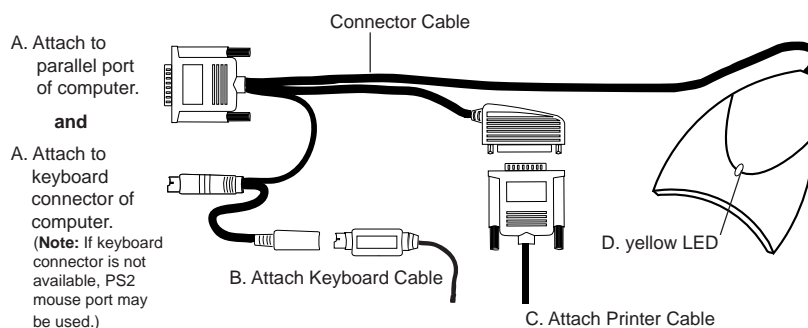The external drive allows you to transfer the MP3 or G2 files to the CompactFlash card. Attach it to the parallel port of your computer. The external drive cables have pass-through connectors so you can attach the CompactFlash drive at the same time your printer and keyboard are attached.

A. Attach to parallel port of computer.

and

A. Attach to keyboard connector of computer. (**Note:** If keyboard connector is not available, PS2 mouse port may be used.)

Connector Cable

B. Attach Keyboard Cable

C. Attach Printer Cable

D. yellow LED

Note: Actual items may differ in appearance from those shown.

A. Follow the computer shutdown procedure, and turn off your printer and any parallel port device(s). Remove any printer cable (or other device cable) attached to your parallel port. Attach the external drive cables to the parallel port and keyboard connector of your computer.

B. Remove the keyboard cable from the computer, and attach it to the pass-through on the keyboard connector cable.

   Note: If you have an AT keyboard, you may need an adapter.

C. Attach the printer (or other device) to the pass-through on the connector cable. Attach the parallel port and keyboard connector cables to your computer.

   Notes: Most printers will not print any differently connected to the pass-through. In some cases, printing may be delayed or aborted (depending on the system) if printing takes place at the same time you are using the drive.

   Most other devices are fully compatible when connected to the pass-through. In a few cases, some may lose some functionality.

   Consult your computer or device's owner manual for troubleshooting.

D. Turn on your computer.

Getting Started

3. Install the RealJukebox* software.

Install this software on your computer. You can use it to compress audio files from CDs to MP3 or G2 (Real Network) format or download already compressed files from the internet, and then transfer the files to the CompactFlash card to play them on your player. It also operates as a Virtual Audio Player on your PC.

Note: Updates are available at http://www.Lyrazone.com/downloads.htm/.

A. After you attach the external drive as described *on the previous page*, turn on and boot your computer.

B. Insert the *RealJukebox* CD into your CD ROM drive. The setup program screen appears.

   Notes: If the setup screen does not appear, double click *My Computer*, double click your CD-ROM drive icon, and double click *setup.exe*. You can also click [Start], *Run*, then type *D:\setup.exe* (where D is the letter of your CD-ROM drive).

C. Setup consists of two parts.

   1. Install *Connect-iT*. (CompactFlash drivers) to activate the external drive. Click the *Install Compact Flash* button, and *follow the on-screen instructions.*

      Click *Yes* to restart your computer when prompted.

      Notes: The icon for this drive will only appear when the CompactFlash card is inserted. To access this utility click [Start], *Programs, CF External Drive,* and *Connect-iT*.

   2. After you restart your computer, the main setup screen will appear again. Click *Install RealJukebox* to install the RealJukebox and G2 player software.

Getting Started

3. Install the RealJukebox™ software. (continued)

Note: If the screen does not appear, see Step B *Notes.*

Click *Accept* or *Decline* after you read the license agreement.

Note: You must *Accept* to continue.

When the next screen appears, enter your email address.

Note: (if you don't have an email address, enter yourname@home.com). You must enter an email address to proceed.

Verify the correct destination path for the program files.

Enter your software's serial number (12-digit number located on the back of the *RealJukebox* CD jacket).

3. Complete the *Electronic Registration Card.* Enter your country and zip code, and click *next* to proceed.

4. Click *Yes* when the screen asks if you plan to use *a portable music player*, and click *next* when *Lyra* appears.

5. Configuration Options screens. These screens will list the most common and default configuration settings. You can change the settings or click *Finish.*

   We suggest you click *Finish* and not change any of the settings at this time.

   If necessary, minimize the RealJukebox window and click *Exit* on the installation window.

   Note: It is possible that the installation menu will display "*Not-installed*". It is not necessary to install the program again, just click *Exit* and close the window.

6. If necessary, close the main setup screen.

   Note: You can access the *Configuration Wizard* from the *Options* menu at any time later when you are more familiar with the program.

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Getting Started

4. Set basic preferences.

Detailed information, tutorials, and troubleshooting are available through the _Help_ menu and the RealJukebox Internet site (accessed from the _Help_ and _Sites_ menus).

Note: We recommend you familiarize yourself with the _RealJukebox New User's Guide_ and complete the _Online Tutorial_ before using and recording files.

We also recommend that you log onto the internet while using RealJukebox to take advantage of all the features.

We feel the _Recording Method_ and a few of the _Encoding Options Preferences_ need to be discussed before you start using _the RealJukebox_ software.

A. Display the _Preferences_ menu by choosing _Preferences_ under the _Options_ menu.

B. Click _Recording Options_ to display the _Recording Options_ menu.

1. Select a recording method.

    A. Check _Digital_ and _Use Error Correction f_or the best results. Error checking and correction will be performed while you are recording.

        Note: Choosing _Error Correction_ will slow down your recording speed.

    B. Check _Analog i_f your CD-ROM drive does not support digital audio extraction.

Getting Started

4. Set basic preferences. (continued)

C. With the *Preferences* menu displayed, click *Encoding Options* to display the *Encoding Options* menu.

1. Select a recording *Format* and *Quality Level.*

   A. RealAudio is RealNetworks' audio format. This format saves your music as RealAudio (.rmx) secure or RealAudio unsecured (.rmj) files. Compression levels available are (96, 64, and 44 Stereo, and 32 Kbps Mono). 96kbps Stereo has the best quality sound, but uses the most disk space.

   B. MP3 Audio is MPEG layer 3 Audio available at four compression levels (128, 96, 64, and 56Kb Stereo). 128Kb has the best quality sound, but uses the most disk space.

C. Wave Audio is unencoded music that is not compressed. This format has the best quality sound but requires the largest file size, as much as 650MB per CD. Wave Audio files are much larger than RealAudio and MP3 Audio files.

2. Secure Files Setting

   A. Secure Files On

   Files recorded with security on can only be played on the PC on which they were recorded.

   Notes: If you record with the security feature on, make sure you perform a security key back up (*Backup Security Key* feature located under *Options* menu).

   B. Secure Files Off

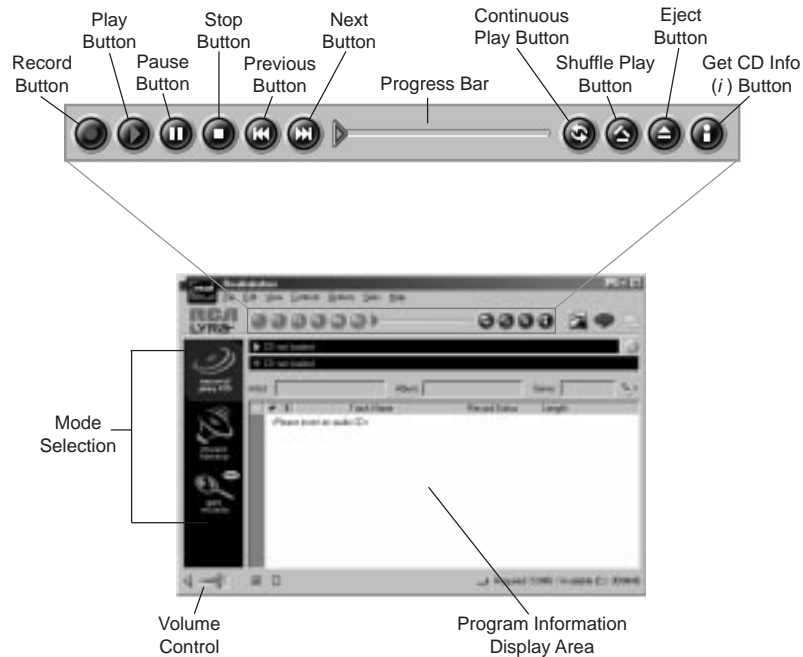   Most people choose to turn the Secure Files feature off.

   Notes: In the future, some music may require the security feature turned on to record to your computer.

   Turn this feature off if you own two computers and want to exchange files between them.

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Getting Started

5. Learn the RealJukebox basic controls.

Listed below are the basic functions of the main controls for the program.

Record Button · Play Button · Pause Button · Stop Button · Previous Button · Next Button · Progress Bar · Continuous Play Button · Shuffle Play Button · Eject Button · Get CD Info (*i*) Button

Mode Selection

Volume Control

Program Information Display Area

6. Saving CD tracks to play on your PC or in your Lyra™ player.

1. Insert a CD into your CD ROM drive. If you have auto play/record enabled, the CD will automatically begin playing and recording.

   Note: If you do not want the CD to automatically start playing or recording, you can change the settings.

Choose *Preferences* in the *Options* menu, and set the options for your personal preference.

Getting Started

6. Saving CD tracks to play on your PC or in your Lyra™ player. (continued)

RealJukebox connects to the internet to retrieve information about the CD in the CD ROM.

Notes:

If the browser does not launch automatically, open it manually and click the " i " button to connect to the internet.

Make sure the *Get CD info from the Internet* is selected in the *Internet Settings Preferences.* Choose *Internet Setting* from *Preferences* in the *Options* menu.

If you are on a LAN system and the titling feature does not work, contact your administrator.

The information from the internet appears on your screen.

If the information cannot be retrieved from the internet, enter it manually.

Important Note: If the information is not entered, titling and sorting information will not be available in the library.

Getting Started

6. Saving CD tracks to play on your PC or in your Lyra™ player. (continued)

2. Select the tracks you want to play or record.

   • To start or stop playback, click play.

   • To start or stop recording, click record.

   • To pause playback, press pause.

   • To stop playback and recording, press stop.

3. After recording is complete, the songs will be stored in the Music Library.

7. Download music from the internet.

A. Click the *get music* icon to have *RealJukebox* connect you to the internet.

B. Download the music you select to your PC, and add it to your library and playlists.

Note: You can also download files using your regular browser. Just be sure to import (and/or move) them into RealJukebox.

Getting Started

8. Organize the library.

A. The *Master Library* can be grouped by *Genre, Artist, Album*, or all three. Choose *Music Library* from *Preferences* in the *Options* menu.

B. Select the groupings, that you would like to use for your music (any combination of *Artist, Album*, or *Genre*).

C. Click the *music library* icon and Double click *Master Library* to view the groups of songs.

To play a song, double click it or highlight it, and press play.

Create a *Playlist* for playing or recording.

1. Click the *New Playlist* button on the bottom of the screen.

2. Name your new playlist.

3. Select the music you want to record in the playlist. Drag and drop the desired songs to the *Playlist* icon.

Note: Click to select a song, *Shift* and click to select groups of songs, or *Ctrl* and click to select multiple songs.

Getting Started

9. Transfer the audio files to the CompactFlash Card.

Use RealJukebox to transfer music files to the removable storage card so you can take the music with you anywhere.

Note: Actual items may differ in appearance from those shown.

Yellow LED

Insert card top first with front (dogs) facing up.

ImportantNote

Removing the card before the data is completely written may cause loss of the entire contents of the card and damage the card.
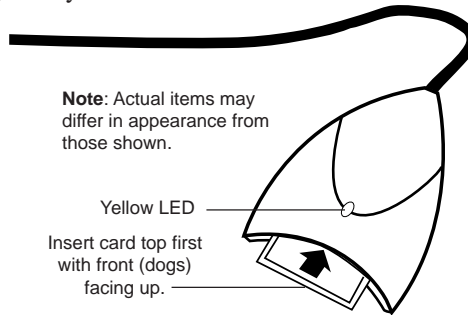
A. Make sure the external drive is installed properly and the CompactFlash card is inserted.

> **Note:** If you remove and reinsert the card, press *F5* to refresh the *Master Library's* directory.

> Make sure your player is listed in the *Master Library* under *Portable Music players*.

B. Double click the *Lyra* icon to display the *Flash Card* icon.

C. Double click the *Flash Card* icon to see what is recorded on the flash card.

D. Select the music you want to record on the card. Drag and drop the desired songs to the *Flash Card* icon.

> **Note:** Click to select a song, *Shift* and click to select groups of songs, or *Ctrl* and click to select multiple songs.

Getting Started

## 9. Transfer the audio files to the CompactFlash Card. (continued)

E.   After you have selected (dragged and dropped) all of the music you want to record on the flash card, double click the *Flash Card* icon.

File size and availability are listed in the status and window displays

Notes: The card operates like a floppy drive. The same drag and drop or copy methods apply.

Transfer all your MP3 or G2 files in groups to prevent reloading the appropriate driver for each type.

F.   Click the *Begin Transfer* button on the bottom of the screen to download your songs to the CompactFlash card.

Attention Windows NT4 Users:
Windows NT users must have Administrative Privilege turned on in order to transfer files to the CompactFlash card.

After copying files to the CompactFlash card, you must complete the data transfer between NT and the external hard drive using Safe-Swap.

Click on the *S* of the *Safe-Swap* utility located on your task bar. Then click *swap,* and wait until the message, "*It is now safe to eject the CompactFlash card from the external hard drive"* appears.

Note: If *Safe-Swap* is not installed, it can be downloaded from www.Lyrazone.com/downloads.html.

Caution

The yellow LED on the CompactFlash external drive turns bright yellow when files are being written to the CompactFlash Card.
After the yellow light dims, wait at least 5 seconds (12 Seconds for NT4 users) before removing the card from the external hard drive.

Removing the card before the data is completely written may cause loss of the entire contents of the card and damage the card.

G.   Pull the card out to remove it from the external drive.

Windows NT4 Users Note: If you remove the card without using the *Safe-Swap* utility, you may receive an error message stating the data transfer was not completed. Re-insert the CompactFlash card, click OK, and use the *Safe-Swap* utility to complete the data transfer.


Helpful Hints

For detailed information on CompactFlash card file management, creating playlists, and grouping management, please consult the on-line documentation or *Help* section.

The external drive can also be used to transfer files from digital cameras using CompactFlash cards to the PC or store files from the PC on CompactFlash cards.

Getting Started

10. Insert the alkaline batteries into the player.

Battery Compartment Door
(Insert two alkaline "AA" batteries.)
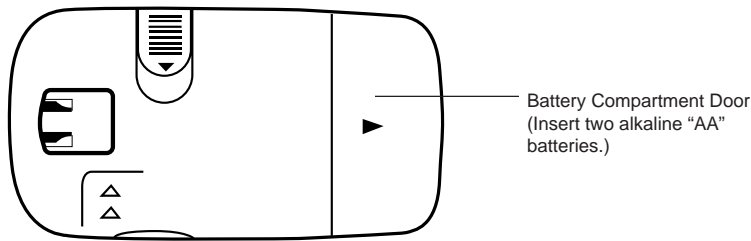
Before you can use the player, you must insert two alkaline "AA" batteries.

A. Slide the battery compartment door in the direction of the arrow and lift up.

B. Insert the batteries into the battery compartment making sure the polarities (+ and –) are aligned correctly with the + and – markings in the compartment.

C. Close the door to the battery compartment.

Low Battery Indicator ( )

The low battery indicator appears in the LCD display when the batteries are getting low. Replace the batteries.

```
Fire and Snow-Jo
di Ward

                128K
NORMAL          FLAT
Trk=03          1:38
```

Battery Safety Precautions

Any battery may leak electrolyte if mixed with a different battery type, if inserted incorrectly, or if all batteries are not replaced at the same time.

Any battery may leak electrolyte if disposed of in fire or an attempt is made to charge a battery not intended to be charged.

Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury. When discarding batteries, be sure to dispose of them in the proper manner, according to your state/provincial and local regulations.

Rechargeable Batteries

Risk of fire or explosion if the following is not observed:

Do not charge any battery other than PC202MH, PC204MH, or PC224 in this equipment.

Do not use or charge the batteries if they appear to be leaking, discolored, deformed or in any way abnormal.

Getting Started

11. Insert the CompactFlash™ card in the player.

Before you can use the player, you must insert the removable card with the MP3 or G2 music files into the player.
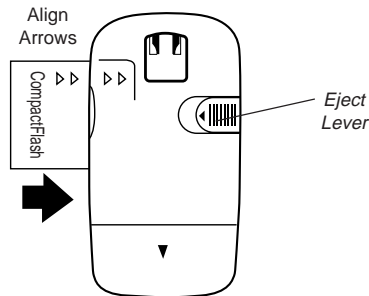
A. Align the arrows on the front of the card to the arrows on the back of the player. Insert the card top first into the player with the front of the card facing the back of the player *as shown*. Make sure the card is inserted fully into the player.

Caution: Do not force the card into the player as this may cause damage to the card and/or player.

Note: To remove the card from the player, turn off the player and slide the eject lever on the back of the player with your thumb.
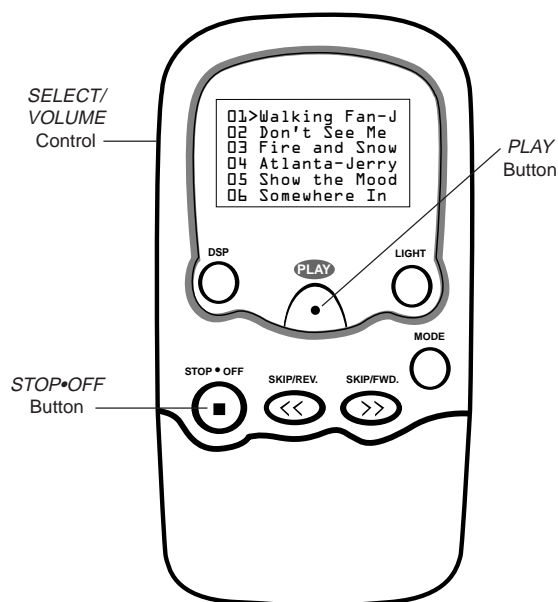
12. Attach the headphones to the player.

Insert the plug on the headphone cable into the headphone jack *(PHONES)* on the top of the player. Place the headphones on your head and adjust them to fit your head.

Getting Started

13. Play the CompactFlash card.

SELECT/
VOLUME
Control

```
01>Walking Fan-J
02 Don't See Me
03 Fire and Snow
04 Atlanta-Jerry
05 Show the Mood
06 Somewhere In
```

PLAY
Button

DSP   PLAY   LIGHT

MODE

STOP • OFF   SKIP/REV.   SKIP/FWD.

STOP•OFF
Button

A. Press *PLAY* to display a list of tracks. Press *PLAY* again to start playing the first track.

   •   Adjust the volume by turning the *SELECT/ VOLUME* control on the side of the player.

   •   Press *PLAY* while the player is playing to pause the player.

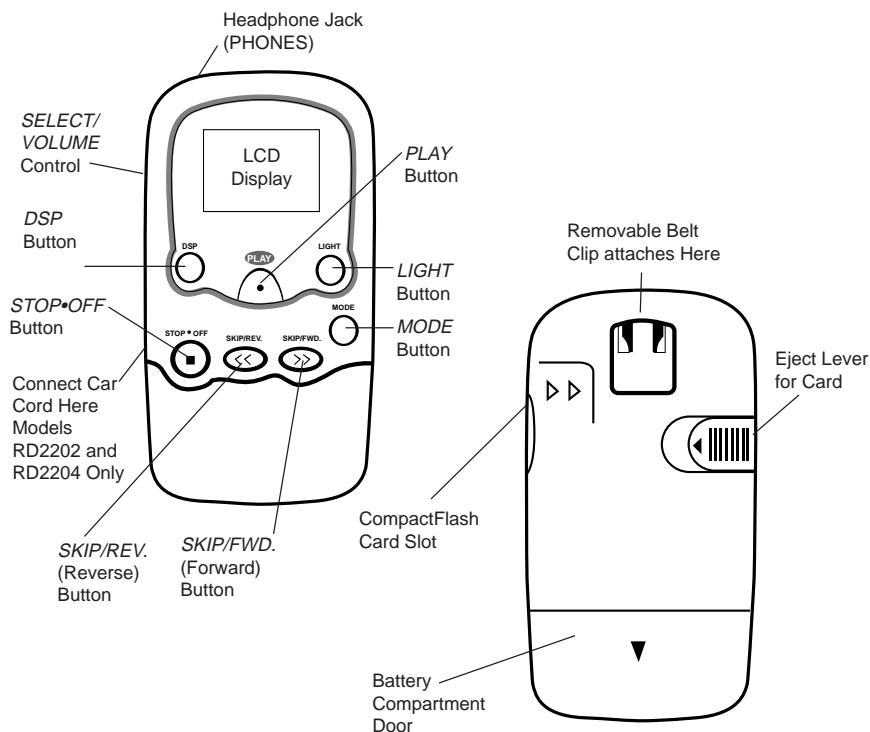   •   Press *STOP•OFF* while the player is playing to place the player in the stop mode.

   Note: The player will enter a sleep mode to conserve battery power when there has been no activity in the stop or pause mode for approximately one minute.

   •   Use the player's special features described in the *Player Features* section.

B. When you are finished, press *STOP•OFF* twice to turn off the player and conserve battery power.

Player Features

Controls

A brief description of the player's controls is given below. Detailed descriptions of each feature are on the following pages.

Headphone Jack
(PHONES)

*SELECT/
VOLUME* Control

LCD
Display

PLAY
Button

DSP
Button

DSP PLAY LIGHT

LIGHT
Button

STOP•OFF
Button

MODE

MODE
Button

STOP • OFF SKIP/REV. SKIP/FWD.

Connect Car
Cord Here
Models
RD2202 and
RD2204 Only

SKIP/REV.
(Reverse)
Button

SKIP/FWD.
(Forward)
Button

Removable Belt
Clip attaches Here

Eject Lever
for Card

CompactFlash
Card Slot

Battery
Compartment
Door

DSP **(Digital Signal Processor) Button**

Press to select a *DSP* mode: *FLAT*, *BASS BOOST*, *ROCK*, *POP*, *JAZZ*, or *EQ* (equalizer). The equalizer lets you cycle through five frequency bands and adjust the gain of the selected band for your personal preference.

Battery Compartment Door

Open door by sliding in direction of arrow and lifting. Insert

batteries making sure polarities (+ and –) are aligned correctly.

Belt Clip (Removable)

The removable belt clip attaches here.

Contrast Adjustment

When in stop mode, you can adjust the contrast between the light and dark images in the LCD display. Press the *MODE* button twice to display the contrast feature. Use the *SELECT/ VOLUME* control to adjust the contrast. Press *MODE* or *STOP* to remove the display.

Player Features

Card Slot

Insert the removable card here top first with front facing back of player.

Eject Lever

Slide lever in direction of arrow to remove card from the player.

Headphone Jack *(PHONES)*

Insert the plug from the headphone in this jack on the top of the player.

***LIGHT* Button**

Press to turn light on and off in the LCD panel.

***MODE* Button**

Press to select a playback mode (*NORMAL*, *REPEAT 1*, *REPEAT ALL*, *SHUFFLE*, *REPEAT ALL SHUFFLE*, *PROGRAM*, or *REPEAT ALL PROGRAM*).

Press twice to adjust the contrast of the LCD display.

***PLAY* Button (Also Pause Button)**

- **Player Off:** Press once to turn on player. Press again to start playback.
- **Player Playing:** Press to place the player in the pause mode. Press again to return to playback.

***SELECT/VOLUME* Control**

- **Player Playing:** Rotate to turn the volume up or down.
- **Player Stopped:** Rotate up or down to move the cursor to an item. Press this control in to select the item for playing or adding/removing the item to/from a program.
- **Player with Equalizer Displayed:** Rotate to adjust the gain of a selected frequency band. The band is selected with *SKIP/ FWD.* or *SKIP/REV.*

***SKIP/FWD.* Button**

- **Player Playing:** Press to skip to the next track.
- **Player Stopped:** Press to move the cursor forward to an item.
- **Player with Equalizer Displayed:** Press to cycle through the five frequency bands of the equalizer. You can adjust the gain of the selected band with the *SELECT/VOLUME* control.
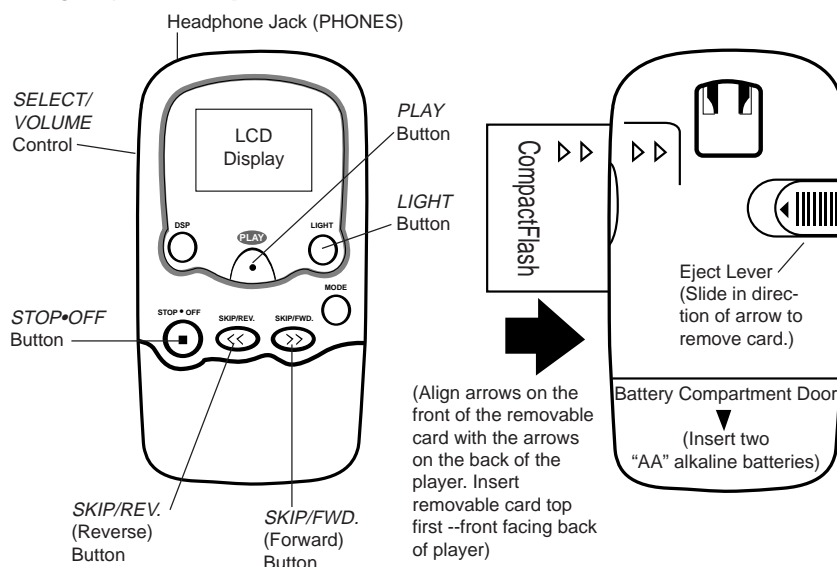
***SKIP/REV.* Button**

- **Player Playing:** Press to skip back to the last track.
- **Player Stopped:** Press to move the cursor back to an item.
- **Player with Equalizer Displayed:** Press to cycle through the five frequency bands of the equalizer. You can adjust the gain of the selected band with the *SELECT/VOLUME* control.

***STOP•OFF* Button**

- **Player Playing:** Press to place the player in the stop mode.
- **Player Stopped:** Press to turn off the player.

Player Features

Playing a CompactFlash Card

Headphone Jack (PHONES)

SELECT/
VOLUME
Control

LCD
Display

PLAY
Button

LIGHT
Button

DSP   PLAY   LIGHT

MODE

STOP•OFF
Button

STOP • OFF   SKIP/REV.   SKIP/FWD.

SKIP/REV.
(Reverse)
Button

SKIP/FWD.
(Forward)
Button

CompactFlash

Eject Lever
(Slide in direc-
tion of arrow to
remove card.)

(Align arrows on the
front of the removable
card with the arrows
on the back of the
player. Insert
removable card top
first --front facing back
of player)

Battery Compartment Door

(Insert two
"AA" alkaline batteries)

1. Make sure batteries are installed in the player.

2. Insert the headphone cable plug into the headphone jack *(PHONES)* on top of the player.

3. Insert the card encoded with MP3 or G2 format music files. Make sure to fully insert the card.

4. Press *PLAY* to turn on the player. A list of the song tracks appears in the display.

5. If you cannot see the display, press *LIGHT* to turn on the light in the LCD display.

   Note: The light will automatically time out after a few seconds if no buttons are pressed.

6. Press *PLAY* again to start playing the first track in the list. Detailed information about the track that is playing appears in the LCD display.

```
01>Walking Fan-J
02 Don't See Me
03 Fire and Snow
04 Atlanta-Jerry
```

```
Fire and Snow-Jo
di Ward

              128K
NORMAL        FLAT
Trk=03        1:38
```

Player Features

The name of the song, artist, album, playback mode selected, DSP mode selected, number of the track playing, and the elapsed playing time of the track appear.

Note: The *Volume*, data rate and battery indicators may also appear.

- To play a different track when the player is stopped: Press *SKIP/FWD.* or *SKIP/REV.* or rotate the *SELECT/VOLUME* control to move the cursor down or up the list.

```
01 Walking Fan-J
02 Don't See Me
03>Fire and Snow
04 Atlanta-Jerry
—
```

Press *PLAY* to play the track.

Note: To play the next or previous track while the player is playing, press *SKIP/FWD.* or *SKIP/REV.*

7. During playback, adjust the volume by rotating the *SELECT/VOLUME* control up or down. The *Volume* level selected appears in the display.

```
Fire and Snow-Jo
di Ward

NORMAL      128K
Volume=30   FLAT
▪▪▪▪▪▪▪▪▪▪▪▪▪▪
```

8. Press *STOP•OFF* to place the player in the stop mode.

Note: After approximately one minute, the player will enter the sleep mode to conserve batteries.

9. Press *STOP•OFF* **again** to turn off the player.

Cautions

Do not play your headset at a high volume.

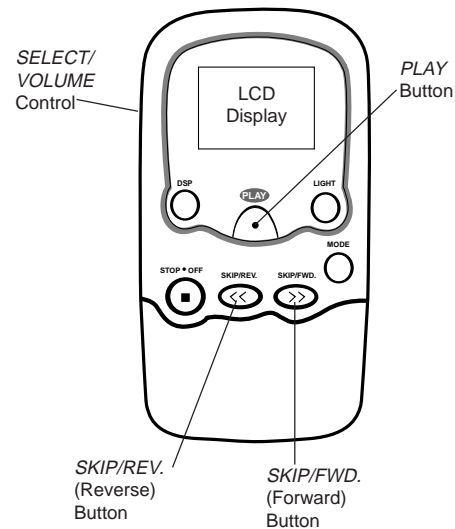Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce the volume or discontinue use.

Do not use the headphones while operating a motorized vehicle or bicycle. It may create a traffic hazard and is illegal in many areas.

Use extreme caution or temporarily discontinue use in potentially hazardous situations.

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Player Features

Playback Features

SELECT/VOLUME Control

LCD Display

PLAY Button

DSP   PLAY   LIGHT

MODE

STOP ● OFF   SKIP/REV.   SKIP/FWD.

SKIP/REV. (Reverse) Button

SKIP/FWD. (Forward) Button

Pause Feature

During playback, you can pause the player and mute the volume.

• Press *PLAY* during playback to pause the player.

   Note: If the player is left in pause for approximately one minute, it will enter the sleep mode. Press *PLAY* to activate the auto resume feature.

• Press *PLAY* again to resume playback.

Auto Resume Feature

The player will automatically enter the sleep mode if it remains in pause for approximately one minute. The player will retain the following information if the same card remains in the player.

• Play/repeat mode selected

• Track play list

• Volume control setting

• Last track played information

• DSP and equalizer settings

Press *PLAY* to resume playback from the track the player was paused.

Player Features

Skip and Search Features

Skip Feature

When the file list is displayed, *SKIP/ FWD.* and *SKIP/REV.* or the *SELECT/ VOLUME* control allow you to select which track to play using the file list.

- Press *SKIP/FWD.* to move the cursor down the list.

- Press *SKIP/REV.* to move up the list.

  Note: If you search beyond the last track, the cursor will return to the first track.

Press *PLAY* to play the selected track.

During playback or pause, press and release *SKIP/FWD.* or *SKIP/REV.* to skip to the next or previous track.

- Press *SKIP/FWD.* to skip to the next track.

- Press *SKIP/REV.* to skip to the beginning of the current track being played. Press again to skip to the previous track.

  Note: If you skip the last track, you will return to the first track in the list.

Search Feature

During playback, *SKIP/FWD.* and *SKIP/REV.* allow you to audibly search through the tracks at a faster speed.

- During playback, press **and hold** *SKIP/FWD.* to search forward at a faster speed.

- During playback, press **and hold** *SKIP/REV.* to search in reverse at a faster speed.

Notes:

If you search in reverse beyond the beginning of the playing track, the player will start playing.

If *REPEAT 1* is activated and you search in reverse beyond the beginning of the track, the player will start playing that track.

Scroll Feature

When the player is stopped, you can scroll down the list of tracks by rotating the *SELECT/VOLUME* control up or down.
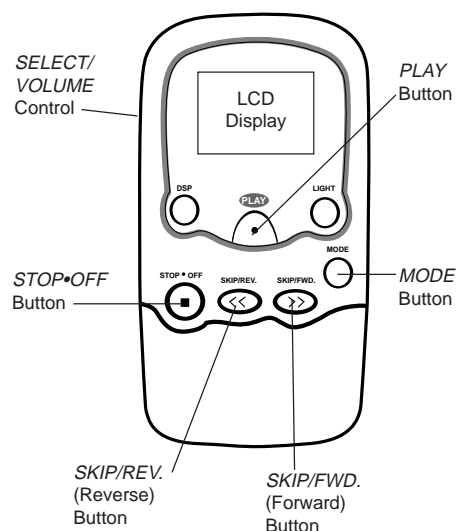
Note: The player scrolls from the last track in the list back to the first track in the list.

1. Place the player in the stop mode.

2. Rotate the *SELECT/VOLUME* control up or down to scroll through the list of tracks available on the card inserted in the player.

3. Rotate and hold the *SELECT/ VOLUME* control up or down for more than one second for continuous page up or page down.

Player Features

MODE Menu

You can use the *MODE* menu to select several playback features (*REPEAT 1*, *REPEAT ALL, SHUFFLE, REPEAT ALL SHUFFLE, PROGRAM,* and *REPEAT ALL PROGRAM*). *These are described on the next two pages.*

SELECT/
VOLUME
Control

LCD
Display

PLAY
Button

DSP   PLAY   LIGHT

MODE

STOP•OFF
Button

STOP • OFF   SKIP/REV.   SKIP/FWD.

MODE
Button

SKIP/REV.
(Reverse)
Button

SKIP/FWD.
(Forward)
Button

Repeat and Shuffle Features

1. Place the player in the stop mode, and press *MODE* to display the *MODE* menu.

```
▶NORMAL
 REPEAT 1      M
 REPEAT ALL    O
 SHUFFLE       D
 PROGRAM       E
```
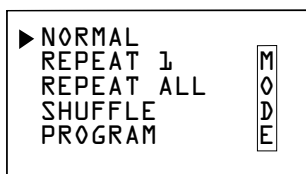
2. Press *SKIP/FWD.* or rotate the *SELECT/VOLUME* control to move the cursor to the feature you want to select.

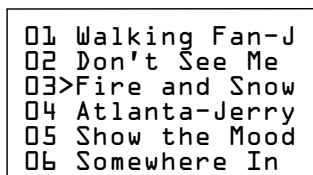   • Select *REPEAT 1* to repeat one track over and over.

• Select *REPEAT ALL* to play all the tracks over and over.

• Select *SHUFFLE* to randomly shuffle up to 20 tracks, then stop.

• Select *REPEAT ALL SHUFFLE* to have the tracks shuffled and repeated over and over.

   Note: A cursor will appear before *REPEAT ALL* and *SHUFFLE.*

3. Press the *SELECT/VOLUME* control **in** to select the mode or the player will select the mode next to the cursor after five seconds.

Notes: Pressing *PLAY* also starts the player playing with the selected feature.

When the player is playing, you can cycle through the playback modes by pressing *MODE*. The mode selected appears in the display.

```
Fire and Snow-Jo
di Ward

              128K
SHUFFLE       FLAT
Trk=03        1:38
```

Player Features

Program Feature

1. Display the *MODE* menu, and press *SKIP/FWD.* to move the cursor to *PROGRAM*.

```
  NORMAL
  REPEAT 1      M
  REPEAT ALL    O
  SHUFFLE       D
▶ PROGRAM       E
```
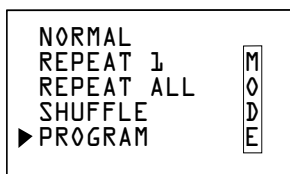
2. Press the *SELECT/VOLUME* control **in** to display the list.

```
01 Walking Fan-J
02 Don't See Me
03>Fire and Snow
04 Atlanta-Jerry
05 Show the Mood
06 Somewhere In
```

Press *SKIP/FWD.*, *SKIP/REV.* or rotate the *SELECT/VOLUME* up or down to move the cursor to the first track you want in your program. Press *SELECT/VOLUME* **in** to select a track. A program mark appears in front of the selected track.

Note: To remove a track from the program, move the cursor to the track and press **in** the *SELECT/VOLUME* control**.**

3. Continue to mark the tracks in the order you want them to play (up to 20 total).

Note: If you try to select more than 20 tracks, the message *MEMORY FULL* appears.

4. Press *PLAY* to start the program playing.

```
Fire and Snow-Jo
di Ward

               128K
PROGRAM     FLAT
Trk=03      1:38
```

5. Press *MODE* to select *PROGRAM REP* to have the program keep repeating over and over.

```
Fire and Snow-Jo
di Ward

               128K
PROGRAM REP FLAT
Trk=03      1:38
```

6. Press *PLAY* to pause the program. Press *STOP•OFF* to stop the program.

To Clear Programs from Memory

1. Press *STOP*.

2. Press *MODE*.

3. Press *PROGRAM*.

4. Press *SELECT*.

A message will appear and ask if you want to clear all programs.

Player Features

DSP (Digital Signal Processor) Menu

You can use the *DSP* menu to select several DSP modes (*FLAT*, *BASS BOOST, ROCK, POP, JAZZ)* or adjust the equalizer *(EQ)*.

SELECT/
VOLUME
Control

PLAY
Button

LCD
Display

DSP
Button

DSP   PLAY   LIGHT

MODE

STOP•OFF
Button

STOP • OFF   SKIP/REV.   SKIP/FWD.

SKIP/REV.
(Reverse)
Button

SKIP/FWD.
(Forward)
Button
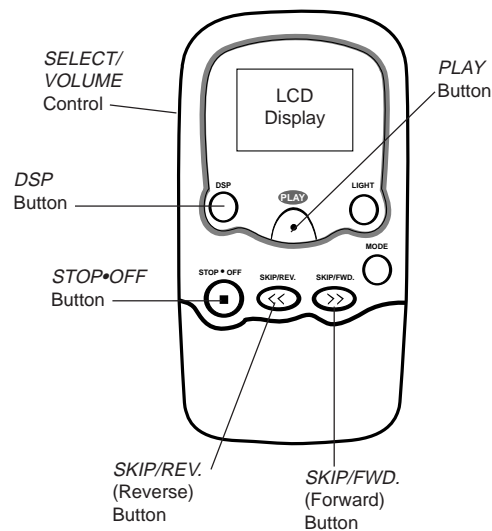
DSP Modes

1. Place the player in the stop mode, and press *DSP* to display the *DSP* menu. You can select *FLAT*, *BASS BOOST*, *ROCK*, *POP*, *JAZZ*, or use the equalizer *(EQ)* to personally adjust the sound.

```
▶FLAT
 BASS BOOST      D
 ROCK            S
 POP             P
 JAZZ
 EQ
```

2. Press *SKIP/FWD.* or *SKIP/REV.* to move the cursor to *FLAT*, *BASS BOOST*, *ROCK*, *POP*, or *JAZZ.*
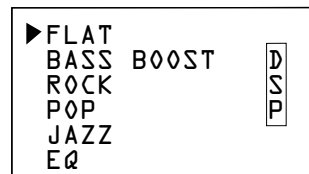
Player Features

Note: If you select *EQ* (equalizer), the equalizer menu appears.

3. Press the *SELECT/VOLUME* control **in** to select the *DSP* feature. The player returns to the file list.

    Notes: Pressing *PLAY* also starts the player playing with the selected feature.

    When the player is playing, you can cycle through the playback modes by pressing *DSP*. The mode selected appears on the display.

```
Ice and Snow-Joe
Jones

                  128K
NORMAL            POP
Trk=03            1:38
```

Equalizer Feature

1. Display the *DSP* menu, and press *SKIP/FWD.* to move the cursor to *EQ* (equalizer).

```
 FLAT
 BASS BOOST      ┌─┐
 ROCK            │D│
 POP             │S│
 JAZZ            │P│
▶EQ              └─┘
```

2. The *EQ* (equalizer) display will appear in approximately one second.

```
FREQ 1K          0DB
+ ┬   ┬   ┬   ┬   ┬
  │   │   ┃   │   │
0 ┼   ┼   ╋   ┼   ┼
  │   │   ┃   │   │
─ ┴   ┴   ┴   ┴   ┴
```
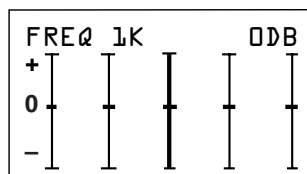
*   Press *SKIP/FWD.* or *SKIP/ REV.* to select one of the five frequency bands (*60*, *250*, *1k*, *4k*, and *12k*).

*   Rotate the *SELECT/ VOLUME* control up or down to adjust the band (*+15dB* to *-15dB*).

    Note: Press the *SELECT/ VOLUME* control **in** to reset the band to *0*.

3. Press *PLAY* to start playback with the adjustments you have selected.

```
Ice and Snow-Joe
Jones

                  128K
NORMAL            EQ
Trk=03            1:38
```

Included Accessories

Align arrows on the front of the removable card with the arrows on the back of the player. Insert removable card top first --front facing back of player.

CompactFlash

Attach Belt Clip Here

Eject Lever (Slide in direction of arrow to remove card.)

Removable belt clip. Slide the clip up until it is firmly attached.
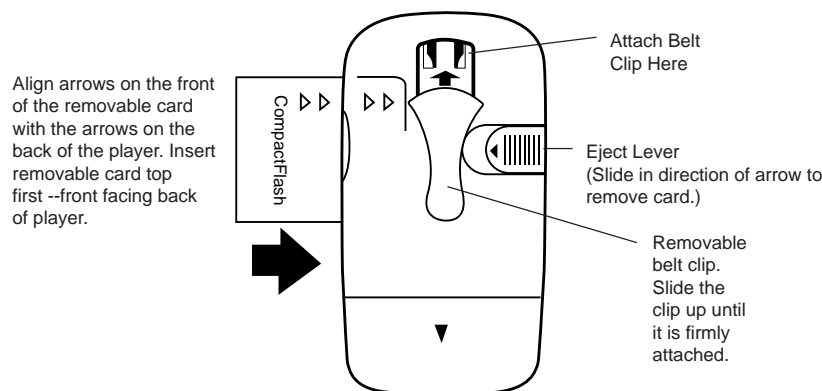
CompactFlash™ Memory Cards

The player uses Type I and II CompactFlash memory cards. Make sure you use only these cards. Use of the wrong card could damage your player or external hard drive. We recommend the use of RCA memory cards available from your local dealer or by phone order on *page 30*.

The cards can be used over and over again. Use Jukebox to delete the old tracks and then transfer the new tracks to the card.

Storage

CompactFlash cards can store approximately 2 minutes of audio per MB at an MP3 bit rate of 64 kbps.

Inserting a Card

Align the arrows on the front of the card with the arrows on the back of the player. Insert the card with the top first and the front of the card facing the back of the player *as shown*. Make sure the card is inserted firmly.

Do not force the card into the player as this may cause damage to the card and/or player.

Removing a Card

Turn the player off. Slide the eject lever in the direction of the arrow to remove the card from the player.

Notes: Refer to the trouble shooting guide *on page 33* if you have any difficulty playing, reading, or writing to the card.

Detailed information and tutorials are also available from the _Help_ menu of the RealJukebox software and from the RealJukebox internet site.

Removable Belt Clip

The player has a removable belt clip. Slide the belt clip up until it locks onto the player *as shown above*. Make sure to attach the belt clip firmly before using it to carry your player.

Included Accessories

Models RD2202 and RD2204 Only: Car Kit

The car kit is included with Models RC2202 and RD2204. It can also be purchased as an optional accessories from your local dealer or by phone *on page 30*. This accessory kit includes a car cord adapter (#54095) and a cassette adapter (#54097). The car cord adapter lets you power your Lyra from the cigarette lighter socket of a car, truck, or RV. It converts 12-volts to a 6-volt output. The cassette adapter lets you listen to the Lyra in an automobile or RV safely without having to wear headphones.
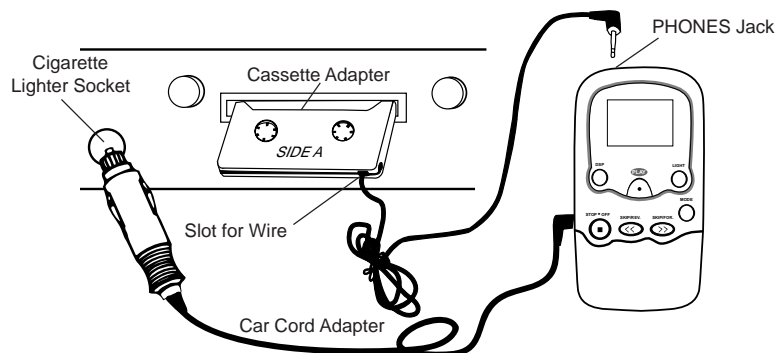
Cautions: Make sure to place the wire securely into the slot on the cassette in the correct direction for the type of player you have.

The car cord adapter is designed to be used only with vehicles having negative ground electrical systems. Use of any other car cord adapter may damage your Lyra and void your warranty.

Make sure the Lyra's power is turned off before removing the car cord's plug from the cigarette lighter socket.

1. Insert the plug on the cassette adapter into the *PHONES* jack on the player. If the headphone is attached, remove it.

2. Set your cassette player to your normal listening level.

3. Insert the cassette (Side A up) into your cassette player making sure the cord is placed in the correct position for your type of player.

4. Attach the car cord adapter to the Lyra *as shown above*.

5. Remove the cigarette lighter from the socket, and insert the car cord into the socket.

6. Insert the CompactFlash™ card you wish to play into the player, start playing the card, and set the volume at a medium level.

7. Control the volume with the cassette player.

8. Remove the cassette adapter from the cassette player when you are finished.

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Optional Accessories

Pricing information and ordering instructions can be obtained by calling 1-800-338-0376.

CompactFlash™ Memory Card

CompactFlash

No. PC32CF, PC48CF, or PC64CF

Any of these CompactFlash memory cards can be used with your player.

Stereo Headphones

No. PC400

Lightweight stereo headphones with 3.5mm stereo plug.

External CompactFlash™ Drive
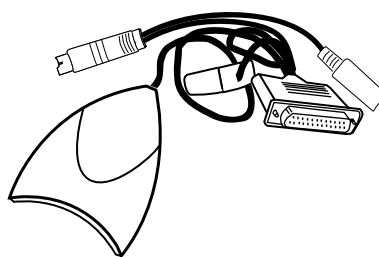
No. PC2200P

This external drive attaches to the parallel printer port of your computer. The drive has a passthrough connector for your printer and keyboard.

Also Available is the RD2200U. This external drive allows you to connect it to the universal serial bus port on your computer.

Removable Belt Clip

OFF

No. PC009

This belt clip allows you to carry the player on your belt.

Optional Accessories

Rechargeable Batteries
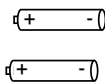
No. PC202MH

These nickel-metal-hydride batteries are rechargeable. They operate the Lyra approximately 1/2 as long as new alkaline batteries.

These batteries can be charged over and over again. To charge these batteries, you need the AC power adapter #PC611.

Caution
Use of other nickel-metal-hydride batteries may void your warranty.

AC Power Adapter PC611

Photo not available

at time of printing

This adapter allows you to power your player from 110-120V AC power.

This adapter is required to charge the rechargeable nickel-metal-hydride batteries #PC202MH.

See AC adapter's instruction book for proper operating details.

Car Kit (Cassette and Car Cord Adapters)
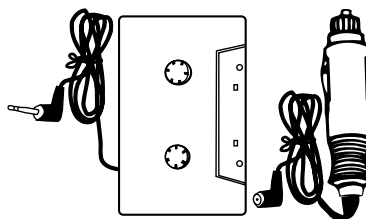
No. 54097 and No. 54095

Each of these items is purchased separately.

The cassette adapter #54097 allows you to listen to the Lyra though your car's speakers by using the car's cassette player.

The car cord #54095 allows you to power your Lyra from the cigarette lighter socket of a car, truck, or RV.

Specifications and descriptions of optional accessories are subject to change without notice.

Specifications

Player

Size: (H) 4-1/2 x (W) 2-1/2 x
(D) 7/8 inches

Weight: 3.5oz. without batteries

Solid state memory

Batteries: 2 alkaline "AA"

Parallel Port Transfer Rate: Up to 450
Kbps

Signal-to-noise ratio: > 75 db

Slot: 1 external CompactFlash slot:
supports Type I or Type II
CompactFlash cards.

Connectors: Headphone

Troubleshooting Guide

Trouble	Checks and Adjustments
No power to external drive	• Check all connections. *See page 4.* • Make sure computer is turned on and plugged into an operating outlet.
Player does not operate	• Batteries may be weak. Install new batteries. • Remove batteries and hold down one or more buttons for several seconds to drain the microprocessor inside the player to reset it. Reinstall the batteries and try player again.
CompactFlash card will not play or you can not insert it all the way into the player	• Make sure card is inserted correctly into player--top facing in and front facing back of player. Do not force. • Card is not encoded with compatible audio format (MP3, G2, or other compatible format). • Card may be damaged. • Card may need to be defragmented (or reformatted--this will erase all data on the card).
Player repeats same track or all tracks	• Repeat play is turned on. Press *MODE* to change the play mode.
Player plays tracks in random order	• Shuffle play is turned on. Press *MODE* to change the play mode. • Program play is turned on. Press *MODE* to change the play mode.
Player plays audio with DSP sound	• Press *DSP* to change the DSP mode. Make sure equalizer is set to your preferences.
Player pauses during play	• Press *PLAY* to resume playback.
Long delay between songs	• May be alternating between MP3 and G2 formats. Try grouping songs by format, and then transfer the files.
Songs not in same order as CD	• Songs are listed in order they were transferred to CompactFlash card.
Audio distorted at high volume	• In equalizer mode, reduce the *BASS* gain. • Switch from *BASS BOOST* mode. • Reduce volume.
Player displays "Config File Not Found"	• Transfer files to CompactFlash card using RealJukebox software.

Limited Warranty

What your warranty covers:

- Any defect in materials or workmanship.

For how long after your purchase:

- 90 days - Unit exchange, which includes parts and labor.

- 91 days to 1 year - Unit exchange, which includes parts only; you pay the labor.

- The warranty for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- **During the initial 90 days:**

  Exchange the defective portion of your Player with a new or, at our option, refurbished unit.

- **After the 90 days and within one year:**

  Exchange the defective portion of your Player with a new or, at our option, refurbished unit.

  We will charge you a flat exchange cost to replace a defective player. This charge covers the labor cost for its repair.

How you get service:

- Contact us on the Internet at www.lyrazone.com and have your unit's date of purchase and model/serial number ready. The model/serial number information is on the back of your Player.

- Self diagnostic screens will allow you to troubleshoot your problem over the Internet.

- If after going through the troubleshooting screens, we determine that you should receive a replacement Player you will be provided with a Return Authorization (RA). No returns will be accepted without the RA number.

- For your convenience you may also call 317-415-4391.

Option I:

1. Provide your Discover, MasterCard or Visa account number and expiration by entering on the appropriate screen. This is for security purposes only and your account will not be charged at this time.

2. We will send you a replacement unit.

3. If you return the unit to us within 14 days from the date you were provided a RA number, only items not covered by warranty will be charged to your account. If your unit is not received within 14 days, the suggested retail value of the Player will be charged to your credit card. This amount will be credited, less a $10 handling fee, if the unit is subsequently received.

4. Ship your defective unit back to us using the replacement unit's carton. Shipping instructions will be included on the carton along with your RA number which will allow you to easily ship the unit back to us. Make sure you insure your shipment in case of damage or loss. Include with the shipment:

Limited Warranty

- Evidence of purchase date such as a bill of sale.

- A brief note describing your Player problem.

- Your name, address, and phone number.

Only ship the defective portion of your Player. In all cases retain the CompactFlash card. Thomson will not be responsible for any software you have returned with your product.

Option II:

- Write the RA number on the outside of the carton used to return the unit. Make sure you insure your shipment in case of damage or loss.

- Carefully pack the unit using the original box and packing material if possible. Please retain all non-defective accessories that were included with your unit such as the headphones.

  DO NOT return the CompactFlash card. Thomson will not be responsible for lost software.

- Include with the shipment:

  1. Evidence of purchase date such as a bill of sale.

  2. A brief note describing your Player problem.

  3. Your name, address, and phone number.

- After we receive your product, a new or refurbished unit will be shipped to you.

What your warranty does not cover:

- Acts of God, such as but not limited to lightning damage.

- Adjustment of customer controls.

- Damage from misuse or neglect.

- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.

- Batteries.

- Units purchased, serviced or operated outside the U.S.A.

- Loss of software, programming.

- Installation.

- Shipping damage if the unit was not packed and shipped in the manner prescribed by Thomson.

Product Registration:

- Please complete and mail the Product Registration Card packed with your Player. It will make it easier to contact you should it ever be necessary. The return of the card is not required for a warranty coverage.

How state law relates to warranty:

- This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. See your dealer for warranty information.

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